

List Rec 8/86 6

MATERIAL SAFETY DATA SHEET
Required under USDL Safety and Health Regulations

POWER SERVICE PRODUCTS, INC.
1410 NORTH BOWIE DRIVE
WEATHERFORD, TEXAS 76086
817-599-9486

SECTION I

CHEMICAL NAME: Diesel Fuel Supplement
CHEMICAL FAMILY: Petroleum Hydrocarbon
TRADE NAME: Power Service
FORMULA: Mixture of Petroleum Hydrocarbons
DOT Shipping name: Diesel Fuel Supplement
DOT Hazard Classification: Flammable Liquid
UN Number: 1993
IMCO Class: 3

SECTION II - HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>% (BY WT)</u>	<u>TLV</u>	<u>NOTE</u>
SOLVENTS	99	100 ppm	
PIGMENTS	<1	N/A	
ADDITIVES	<1	N/A	

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES:

Complex mixture of Petroleum Hydrocarbons- specific chemical identity is being withheld as a Trade Secret. Specific chemical identity will be made available to health professionals in accordance with 29 CFR 1910.1200

SECTION III - PHYSICAL DATA

BOILING POINT (DEG. F.): 303 deg. f.
VAPOR PRESSURE (mmHG.): 30 @25 deg. c.
VAPOR DENSITY (AIR=1): 5.1
SOLUBILITY IN WATER: 10%
SPECIFIC GRAVITY (H₂O=1): .82 @ 20/20 deg. c.
PERCENT, VOLATILE BY VOLUME (%): 100
EVAPORATION RATE: .8
APPEARANCE AND ODOR: Reddish colored liquid. Moderate Aromatic Hydrocarbon Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 70 deg. F (TCC)
FLAMMABLE LIMITS
 Le1: 1.4 %
 UEL: 10 %

EXTINGUISHING MEDIA: Foam, dry chemical,
CO₂, water spray or fog

SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied rescue equipment for enclosed areas. Cool exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not store or mix with strong oxidants or Combustible liquid.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II. Recommended exposure limit is 100 ppm for 8-hour workday.

OSHA Threshold Limit Value: 100 ppm (694 mg/m³) 8-hour workday

ACGIH Threshold Limit Value: 100 ppm (694 mg/m³) 8-hour workday

Carcinogen-NTP Program: N/A

Carcinogen-IARC Program: N/A

EFFECTS OF OVEREXPOSURE: Avoid breathing vapor. Inhalation of high vapor concentrations may have results ranging from dizziness and headaches to unconsciousness. Prolonged or repeated liquid contact will dry and defat the skin leading to irritation and dermatitis.

EMERGENCY AND FIRST AID PROCEDURES: If overcome by vapor, remove from exposure immediately; call a physician. If breathing is irregular or stopped, start resuscitation, administer oxygen. If swallowed, do not induce vomiting; call a physician. Remove contaminated clothing and wash skin with soap and water. Flush eyes with water until irritation subsides.

Primary Route(s) of entry: Ingestion and inhalation.

VARIABILITY AMONG INDIVIDUALS:

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

EFFECTS OF OVEREXPOSURE (Signs and symptoms of exposure) Inhalation of high vapor concentrations (attainable at elevated temperature) may have results ranging from mild depression to respiratory irritation. Prolonged or repeated liquid contact with the skin will dry and defat the skin, leading to possible irritation and dermatitis.

TOXICITY INFORMATION:

Product has a low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause severe pulmonary injury or death.

SECTION VI- REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY (Materials to avoid): None

HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID:

1. Prolong or repeated breathing of vapors
2. Contact with eyes
3. Prolong or repeated contact with skin

VII - ENVIRONMENTAL PROTECTION PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all ignition sources. Keep people away. Recover free liquid. Add absorbent to spill area. Avoid breathing vapors. Ventilate enclosed spaces. Open all windows and doors. Keep petroleum products out of public sewers, streams, and waterways.

WASTE DISPOSAL METHOD: Dispose of waste by supervised incineration or in a chemical disposal area in compliance with local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): Hydrocarbon vapor canister or supplied-air hose mask if needed.

VENTILATION

LOCAL EXHAUST: Face velocity > 60fpm

MECHANICAL (General): Explosion-proof ventilation equipment

SPECIAL: Use only with adequate* ventilation.

OTHER: No smoking or open lights.

Adequate means equivalent to outdoors ventilation

PROTECTIVE GLOVES: Normally not needed. Use chemical resistant gloves if necessary.

EYE PROTECTION: Normally not needed.

OTHER PROTECTIVE EQUIPMENT: Hydrocarbon-insoluble apron if needed.

SECTION IX - SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep containers closed. Keep away from heat, sparks and open flame.

OTHER PRECAUTIONS:

Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; wash before re-use. Wash skin with soap and water after contact.